Title (en)

METHOD FOR MANUFACTURING STRETCHABLE SHEET

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER DEHNBAREN FOLIE

Title (fr)

PROCÉDÉ DE FABRICATION DE FEUILLE ÉTIRABLE

Publication

EP 3501802 A4 20200401 (EN)

Application

EP 17841297 A 20170704

Priority

- JP 2016161473 A 20160819
- JP 2017024416 W 20170704

Abstract (en)

[origin: EP3501802A1] To provide a method for manufacturing a stretchable sheet capable of suppressing neck-in.In a supplying step, a stretchable elastic film 30 is interposed in a stretched state between a first sheet layer 21 having no elasticity and a second sheet layer 22 having no elasticity. In the supplying step, heat melt energy is applied to a region of a large number of bonded portions spaced apart from each other by a heat melting apparatus from the outside of the first sheet layer 21 and the second sheet layer 22 to melt the elastic film 30. The first sheet layer 21 and the second sheet layer 22 are bonded directly or via an elastic film at the large number of bonded portions. The elastic film 30 is caused to pass through the counter roll 63 and the nip roll 65 to pass along the counter roll 63 and then pass along the anvil roll 60, and the elastic film 30 is stretched by making the circumferential speed of the anvil roll 60 faster than the circumferential speed of the counter roll 63.

IPC 8 full level

A61F 13/15 (2006.01); **B29C 65/08** (2006.01); B29K 101/12 (2006.01); B29L 31/48 (2006.01); B32B 7/04 (2019.01); B32B 37/06 (2006.01)

CPC (source: CN EP US)

A61F 5/4404 (2013.01 - CN EP US); **A61F 13/15** (2013.01 - EP US); **A61F 13/15577** (2013.01 - CN); **A61F 13/15593** (2013.01 - CN US); **A61F 13/15699** (2013.01 - CN US); **A61F 13/15731** (2013.01 - CN US); **B29C 65/08** (2013.01 - US); **B29C 65/086** (2013.01 - EP); **B29C 66/1122** (2013.01 - EP); **B29C 66/21** (2013.01 - EP); **B29C 66/344** (2013.01 - EP); **B29C 66/41** (2013.01 - EP); **B29C 66/433** (2013.01 - EP); **B29C 66/73921** (2013.01 - EP); **B29C 66/81422** (2013.01 - EP); **B29C 66/81429** (2013.01 - EP); **B29C 66/81433** (2013.01 - EP); **B29C 66/83413** (2013.01 - EP); **B29C 66/83511** (2013.01 - EP); **B32B 7/04** (2013.01 - EP US); **B32B 37/06** (2013.01 - EP US); A61F 2013/15552 (2013.01 - CN US); A61F 2013/15869 (2013.01 - CN US); B29C 66/71 (2013.01 - EP); B29C 66/7294 (2013.01 - EP); B29C 66/73116 (2013.01 - EP); B29C 66/83415 (2013.01 - EP); B29K 2105/0088 (2013.01 - EP); B29K 2995/0046 (2013.01 - EP); B29L 2031/4878 (2013.01 - EP)

Citation (search report)

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- [Y] WO 2016121981 A1 20160804 - DAIO SEISHI KK [JP]
- [XI] WO 2016121980 A1 20160804 - DAIO SEISHI KK [JP]
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EP4115861A1; US11878497B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 17841297 A 20170704; CN 201710670000 A 20170808; JP 2016161473 A 20160819; JP 2017024416 W 20170704; TW 106127052 A 20170810; US 201716324287 A 20170704